Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 17 Jan 2023 until 23:59 on Wednesday 18 Jan 2023

Forecast Issued on Tuesday 17 Jan 2023 at 00:16

Confidence: High for staying cold for several days, medium for snow showers and lower for the timing of a change to milder conditions and rain at the end of the week or the weekend.

Headline for Tuesday 17 Jan 2023: Bright or sunny intervals and a few, mainly light, snow showers, turning heavier later. Very cold northwesterly winds on the tops.

Mountain weather hazards on Tuesday 17 Jan 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Fog	Fog	Sunny intervals	Cloudy	Light snow	Heavy snow
Precipitation probability					
20%	20%	30%	40%	50%	50%

Forecast for Tuesday 17 Jan 2023

Weather: Foggy start through the valleys and across many hills, although some tops may extend above the fog. This gradually lifting and break through the morning, perhaps briefly obscuring highest points, before finally clearing into the afternoon. Brighter spells follow, however a few passing light snow showers are also possible through the day, mainly across the west of the park. These turning heavier and more frequent into the evening with a small chance of lightning.

Chance of cloud-free hill tops above 600m: 30% initially, becoming 80%.

Low cloud and visibility: Very poor visibility through the morning in the fog, but potentially some excellent views above 500m with tops above the fog for a time. These views perhaps briefly becoming poor through the morning, before fog clears later and into the afternoon with visibility becoming good to very good. Cloud then returning to obscure hills above 400m at times during the afternoon and evening with heavy showers. Visibility then becoming poor or very poor, especially in heavier snow showers.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Tuesday 17 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/12 W	12/16 W	13/18 W	14/19 W	16/22 W	17/23 W	17/24 W
300	5/7 W	7/11 W	10/14 W	11/16 W	11/17 W	12/17 W	14/21 W
Valley	2/6 W	4/8 W	6/12 W	7/14 W	7/15 W	8/15 SW	8/17 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-4/-10	-4/-11	-3/-10	-3/-9	-3/-10	-3/-10	-3/-10
300	-2/-5	-2/-6	-1/-6	0/-5	-1/-6	-1/-6	-1/-6
Valley	-2/-4	-2/-4	-0/-3	0/-3	-1/-4	-1/-5	-1/-5
Freezing Level*	00m	00m	100m	100m	100m	100m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note the very low feels like temperatures and severe wind chill.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 17 Jan 2023	0.4mm	7.8mm	25.2mm

Forecast for Wednesday 18 Jan 2023

Weather: A few snow showers likely early morning, but drier conditions expected for much of the rest of the day. Some brighter spells at times but generally fairly cloudy through the morning, before sunny spells become more frequent through the afternoon. There remains a small risk for an isolated snow shower to makes its way into the west of the park at times.

Maximum wind: Northwesterly 25mph gusts 35mph.

Chance of cloud-free hill tops above 600m: 30%, rising to 70% in afternoon.

Low cloud and visibility: Cloud occasionally down to 500m at first limiting views from the tops. Showers clearing and cloud lifting through the morning, allowing very good visibility in the clear arctic airmass, and becoming generally very good in the afternoon and evening.

Temperature: **Valleys:** Minus 3 Celsius rising to Plus 1 Celsius
At 600m: Minus 4 Celsius
Freezing level: Valley floors rising to 200m during the afternoon.

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